**Use Cases**

1. Register
   1. **Actors**: Shopper
   2. **Description**: This functions allows a user to become a Shopper and creates a profile for them.
   3. **Precondition**: The user has accessed the website.
   4. **Trigger Action**: A user clicks the register button.
   5. **Flow of events**:
      1. The user clicks the register button.
      2. The user completes the following fields on the register page
         1. First Name
         2. Last Name
         3. Email
         4. Password
         5. Confirm Password
      3. The user clicks the submit button.
   6. **Exit condition**:
      1. User clicks the submit button.
      2. User closes the browser or connection is lost.
   7. **Exceptions**:
      1. Password and confirm password fields do not match
         1. An error message is displayed telling the user that the two fields do not match.
      2. Email does not contain an @ symbol
         1. An error message is displayed telling the user that the email must contain an @ symbol.
      3. Email is already used
         1. An error message will be displayed telling the user that the email is already in use.
      4. Email doesn’t meet the minimum length requirement of eight characters
         1. An error message is displayed telling the user that the password isn’t long enough.
2. Log in
   1. **Actors**: Shopper
   2. **Description**: This allows a user to log into their profile and become a Shopper
   3. **Precondition**: The user has accessed the website and has registered for a profile.
   4. **Trigger Action**: A user clicks the login button.
   5. **Flow of events**:
      1. The user clicks the login button.
      2. The user enters their email and password.
      3. The user clicks the submit button.
      4. The email and password is validated.
      5. The homepage is shown and the Shopper is successfully logged into their profile.
   6. **Exit condition**:
      1. User clicks the login button.
      2. User closes the browser or connection is lost.
   7. **Exceptions**:
      1. The email is not found in the database.
         1. An error message will be displayed telling the user that the entered email is incorrect.
      2. The password entered does not match the password associated with the entered email.
         1. An error message will be displayed telling the user that the password is incorrect.
3. Logout
   1. **Actors**: Shopper
   2. **Description**: This allows the Shopper to log out of their profile.
   3. **Precondition**: The user is logged into their profile as a Shopper.
   4. **Trigger Action**: A user clicks the logout button.
   5. **Flow of events**:
      1. The user clicks the logout button.
      2. The login page is displayed.
   6. **Exit condition**:
      1. User clicks the logout button.
      2. Browser is closed or connection is lost.
   7. **Exceptions**:
      1. An unexpected error occurs.
         1. Error message displayed in browser with the error code.
4. Edit Profile
   1. **Actors**: Shopper
   2. **Description**: This allows the Shopper to edit their profile.
   3. **Precondition**: The user is logged into their profile as a Shopper.
   4. **Trigger Action**: A user clicks the edit profile button.
   5. **Flow of events**:
      1. The user is logged in as a Shopper.
      2. The Shopper is on the profile page.
      3. The Shopper clicks the edit profile button.
      4. The Shopper edits any of the fields.
      5. The Shopper clicks submit.
      6. The changes made to the profile data are now reflected in the database.
   6. **Exit condition**:
      1. The Shopper clicks the submit button.
      2. The Shopper clicks the cancel button.
   7. **Exceptions**:
      1. Changes were not saved to the database.
         1. An error message is displayed saying that the changes were not saved.
5. Email Verification
   1. **Actors**: Shopper
   2. **Description**: This allows the Shopper to verify the email they registered their profile with.
   3. **Precondition**: The user registered for a profile, but hasn’t verified it yet.
   4. **Trigger Action**: A user clicks submit on the registration form
   5. **Flow of events**:
      1. The user is on the registration page
      2. The user filled in all the fields required
      3. The user clicks submit
      4. An email is sent to the entered email
      5. The user logs into their email
      6. The user clicks on the link sent to them
      7. Their account is verified and they are taken to the login page
   6. **Exit condition**:
      1. The user clicks on the link
      2. The user closes the browser
   7. **Exceptions**:
      1. The user doesn’t click on the link
         1. The user’s profile isn’t verified and they cannot log in
      2. The email never reaches the user
         1. The user must request for another email to be sent